

INTERNATIONAL SEARCH REPORT

Int ☐ nal Application No
PCT/IB2005/001044

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07C255/54 A61K31/277		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07C		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data, PAJ, BIOSIS		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; BERG, S. S. ET AL: "Chemotherapeutic amidines . X. Substituted 4,4'-diamidino- .omega.,.omega.-diphenoxyalkanes and -diphenyl ethers" XP002333841 retrieved from STN Database accession no. 1949:50548 abstract & JOURNAL OF THE CHEMICAL SOCIETY, ABSTRACTS, 1949, pages 642-648, ----- -/--	1,2
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
° Special categories of cited documents : <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 48%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>* & * document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search 29 June 2005		Date of mailing of the international search report 12/07/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Seufert, G

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; KRATZL, K. ET AL: "Chemistry of vanillin and its derivatives. X. Amidines , imidazolines, and tetrahydropyrimidinediones with guaiacol substituents" XP002333842 retrieved from STN Database accession no. 1958:65868 abstract & MONATSCHEFTE FUER CHEMIE, 88, 1957, pages 1056-1063, -----	1,2
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; DAVIS, M.: "Search for chemotherapeutic amidines . XV. 2-Methoxy and 2-hydroxy derivatives of 1,5-bis(p-amidinophenoxy)pentane" XP002333843 retrieved from STN Database accession no. 1958:82447 abstract & JOURNAL OF THE CHEMICAL SOCIETY, ABSTRACTS, 1958, pages 907-908, -----	1,2
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; FERRONI, R. ET AL: "Aromatic tetra- amidines : synthesis of halo-derivatives and their antiproteolytic activity" XP002333844 retrieved from STN Database accession no. 1985:91904 abstract & FARMACO, EDIZIONE SCIENTIFICA, vol. 39, no. 11, 1984, pages 901-909, -----	1,2
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; LEZNOFF, CLIFFORD C. ET AL: "Metallophthalocyanine dimers incorporating five-atom covalent bridges" XP002333845 retrieved from STN Database accession no. 1985:447150 abstract & CANADIAN JOURNAL OF CHEMISTRY, vol. 63, no. 3, 1985, pages 623-31, ----- -/--	1,2

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; WOEHRLE, DIETER ET AL: "Polymeric phthalocyanines and their precursors. 15. Syntheses of alkylendioxy-bridged polymeric phthalocyanines and their absorption capacities for organic solvents in comparison to other phthalocyanines" XP002333846 retrieved from STN Database accession no. 1988:493734 abstract & MAKROMOLEKULARE CHEMIE, vol. 189, no. 6, 1988, pages 1229-38, -----	1,2
X	GERATZ, J. D. ET AL: "Diamidino-.alpha.,.omega.-diphenoxyalkane s. Structure-activity relations for the inhibition of thrombin, pancreatic kallikrein, and trypsin" JOURNAL OF MEDICINAL CHEMISTRY, vol. 16, no. 9, 1973, pages 970-975, XP002333840 table VI, compounds 27-30, 32-34, 37 -----	1,2
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; CSOKAI, VIKTOR ET AL: "Microwave-assisted synthesis of phthalonitriles and phthalocyanines" XP002333847 retrieved from STN Database accession no. 2003:416216 abstract & SYNTHETIC COMMUNICATIONS, vol. 33, no. 10, 2003, pages 1615-1621, -----	1,2
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; EASTMOND, G. C. ET AL: "Polyimides with main-chain ethylene oxide units: synthesis and properties" XP002333848 retrieved from STN Database accession no. 2002:264464 abstract & POLYMER, vol. 43, no. 12, 2002, pages 3455-3468, ----- -/--	1,2

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; ZHANG, YISHENG ET AL: "Tetranuclear, Hexanuclear, and Octanuclear Copper(II) Complexes of a Series of Novel Dendritic Poly(phthalazine) Ligands" XP002333849 retrieved from STN Database accession no. 1995:875232 abstract & INORGANIC CHEMISTRY, vol. 34, no. 23, 1995, pages 5870-5877, -----	1,2
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; KOBAYASHI, NAGAO ET AL: "Optically active phthalocyanines and their circular dichroism" XP002333850 retrieved from STN Database accession no. 1993:652129 abstract & JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 115, no. 23, 1993, pages 10994-10995, -----	1,2
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; KELLER, TEDDY M. ET AL: "Synthesis of phthalonitriles by nitro displacement" XP002333851 retrieved from STN Database accession no. 1981:442589 abstract & SYNTHESIS, no. 8, 1980, page 613, -----	1,2
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; DANN, OTTO ET AL: "Syntheses of biscationic, trypanocidal 1-benzofuran compounds" XP002333852 retrieved from STN Database accession no. 1983:53580 abstract & LIEBIGS ANNALEN DER CHEMIE, no. 10, 1982, pages 1836-1836, ----- -/--	1,2

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 397 387 A (LABORATOIRES SEROBIOLOGIQUES SA) 9 February 1979 (1979-02-09) page 4, line 4 - line 10; claim 12; example III -----	1,2
X	EP 0 601 977 A (CIBA-GEIGY AG) 15 June 1994 (1994-06-15) page 17, line 44 - page 18, line 8 -----	1,2
X	EP 0 080 371 A (TAKEDA CHEMICAL INDUSTRIES, LTD) 1 June 1983 (1983-06-01) reference examples 1, 2, 3; page 23, lines 8-9 -----	1,2
X	DE 23 01 541 A1 (MILES LABORATORIES INC., ELKHART, IND.) 6 September 1973 (1973-09-06) example 66 -----	1,2
X	WO 02/057215 A (ADVANCED MEDICINE, INC; CHOI, SEOK-KI; FATHEREE, PAUL, R; GREEN, DAVID) 25 July 2002 (2002-07-25) claims 18,44-49; example 29 -----	1,2,7, 10-12
X	WO 98/33779 A (DONG WHA PHARM. IND. CO., LTD; SUH, HONG-SUK; RYU, JAE-HA; HAN, YONG-N) 6 August 1998 (1998-08-06) page 11, line 25 - page 12, line 20 -----	1,2
X	WO 2004/018386 A (MERCK & CO., INC; CUBE, ROWENA, V; PINKERTON, ANTHONY, B; VERNIER, JEA) 4 March 2004 (2004-03-04) page 27, line 24 - page 28, line 3 -----	1,2
A	WO 03/074473 A (THE UNIVERSITY OF TENNESSEE RESEARCH CORPORATION; DALTON, JAMES; MILLE) 12 September 2003 (2003-09-12) page 7, line 16 - page 8, line 5; claims; examples -----	1-12

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ational application No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claim 7 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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